

CSP-2017-1_IN - Ag Land_Farmstead

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The water erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All non-traffic areas are vegetated.

Evaluation Test Met

Yes ☐ No ☐

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Yes ☐ No ☐

Wind Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The wind erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Evaluation Test Met

Yes ☐ No ☐

All non-traffic areas are vegetated.

Yes ☐ No ☐

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Classic Gully Erosion

Planning Criteria

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause erosion or large streams of water.

Evaluation Test Met

Yes ☐ No ☐

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Yes ☐ No ☐

Soil erosion in areas integrated with trees is controlled. There are no impacts on sensitive vegetation. There are no occurrences or enlargement of gullies.

Yes ☐ No ☐

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes, AND if bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes, AND for streambanks, SVAP2 bank condition element score > 5.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1_IN - Ag Land_Farmstead**Excess Water****Runoff and Flooding and Ponding****Planning Criteria****Planning Criteria Met**

Screening level: Ponding or flooding not a problem AND activities do not cause ponding/flooding problems. Assessment level: Excess water is managed to meet client's objectives.

Yes ☐ No ☐

Evaluation Tests**Evaluation Test Met**

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause flooding or ponding

Yes ☐ No ☐

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Water Quality Degradation

Pesticides in Surface Water

Planning Criteria

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approval tool). Application rates and timing are compliant with the label and the conservation plan.

Evaluation Test Met

Yes ☐ No ☐

Pesticides in Ground Water

Planning Criteria

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approval tool). Application rates and timing are compliant with the label and the conservation plan.

Evaluation Test Met

Yes ☐ No ☐

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Nutrients in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas.
Assessment level: Conservation practices and managements are in place to minimize surface water impacts AND surface waters are protected from contamination due to runoff and leaching from storage sites, spill and other concentrated sources.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

Manure and untreated runoff from animal pens, feedlots, or similar AFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Yes ☐ No ☐

Sacrifice areas are properly sited.

Yes ☐ No ☐

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Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Manure and untreated runoff from animal pens, feedlots, or similar AFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO. Runoff from these areas is treated. An impervious barrier around the well prevents seepage into the groundwater.

Yes ☐ No ☐

Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to groundwater sources.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO. Runoff from these areas is treated. An impervious barrier around the well prevents seepage into the groundwater.

Yes ☐ No ☐

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Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water

Planning Criteria

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.
Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.

Evaluation Test Met

Yes ☐ No ☐

Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water

Planning Criteria

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.
Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.

Evaluation Test Met

Yes ☐ No ☐

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Excessive Sediment in Surface Water

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: Upslope treatment and buffer practices address concentrated flows to water bodies AND the SVAP2 - bank condition ≥ 5 AND the livestock and vehicle water crossings are stable AND The water erosion rate is $\leq T$ AND wind erosion rate is $\leq T$.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Established filter strips are at least 30 feet wide and maintained.

Yes ☐ No ☐

All small, temporary or permanent rills and gullies are stabilized.

Yes ☐ No ☐

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause erosion or large streams of water.

Yes ☐ No ☐

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Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria

Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred. PM producing activity examples are: Prescribed Burn is conducted, Travel ways unpaved or untreated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/ commercial), CAFO/manure management). Assessment level: PM and PM Precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Dust is controlled on all non-vegetated, unpaved travel ways.

Evaluation Test Met

Yes ☐ No ☐

Emissions of Ozone Precursors

Planning Criteria

Screening level: Operations are not present that produce ozone precursor emissions. Ozone precursor producing activities are: Engines (combustion source), Pesticide application, Burning, CAFO/manure management, Fertilization (manure/commercial). Assessment level: Ozone precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1_IN - Ag Land_Farmstead**Degraded Plant Condition****Excessive Plant Pest Pressure****Planning Criteria**

Screening level: Plant productivity is not limited from pest pressure.
Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

Planning Criteria MetYes ☐ No ☐**Evaluation Tests**

Invasive and noxious weeds are controlled or not present.

Evaluation Test MetYes ☐ No ☐

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Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - fish habitat complexity element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR food is available in quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. <see State Wildlife Action Plan>

Evaluation Test Met

Yes ☐ No ☐

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Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - fish habitat complexity element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.

Evaluation Test Met

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes ☐ No ☐

Inadequate Habitat - Water

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR water is available in quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Water for habitat is at the right height, depth and time of year for wildlife species of concern

Evaluation Test Met

Yes ☐ No ☐

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Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR The connectivity of habitat components are adequate to support stable populations of targeted species.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Evaluation Test Met

Yes ☐ No ☐

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Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Energy loss from lighting, drying, refrigeration, cooling, heating, or building insulation has been improved.

Yes ☐ No ☐

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Energy loss from driven equipment, irrigation, or pumping has been improved.

Yes ☐ No ☐